

MISSION DATE 27 MAY 1965
 PREFLIGHT DATE 25 MAY 1965

MISSION NO. 0335C
 A/C NUMBER 385

S/N'S OF EQUIPMENT

Master Recorder	<u>770</u>	HMB Preamp	<u>1000</u>
Slave Recorder	<u>711</u>	HMB Preamp P/S	<u>NA</u>
X-Band Info Amp	<u>9</u>	Junction Box	<u>1010</u>
S-Band Info Amp	<u>12</u>	Control Box	<u>109</u>
L-Band Info Amp	<u>8</u>	30 Sec Timer	<u>109A</u>
P-Band Info Amp	<u>22</u>	Sys XII Ant.	<u>106</u>
Info Amp P/S	<u>114</u> & <u>131</u>	Sys XII Amp.	<u>101</u>
Rambo Preamp	<u>1005</u>	Sys XII P/S	<u>NA</u>
		Sys XII Ant.	<u>111</u>

RECORDER CHANNELIZATION

Master Recorder	Track 1	<u>X BAND SYSTEM 9B</u>
	Track 2	<u>TIME CODE GEN. 1 & 3 KC SYSTEM 12B</u>
	Track 3	<u>S BAND</u>
Slave Recorder	Track 1	<u>P BAND</u>
	Track 2	<u>TIME CODE GEN. 1 & 3 KC</u>
	Track 3	<u>OSCAR SIERRA</u>

TECHNICAL DATA

SPECIAL HANDLING REQUIRED

(Measurements with VI and XII ON)
 X-BAND SYS VI: Sig gen set for 10.5 kmc, modulated 1500 pps, 5 usec pulse width
 (Signal applied at inputs to Rambo)

Tangential Sensitivity	Left - <u>46</u> dbm	Right - <u>57</u> dbm
Noise	Left <u>200</u> mv	Right <u>200</u> mv
Max Undistorted Output at Sat.	Left <u>14 VO</u> <u>22</u> dbm	Right <u>15 VO</u> <u>18</u> dbm
Calibration Signal - <u>46</u> dbm for 1 minute	<u>X</u>	
Antennas Indexed	<u>X</u>	

S-BAND SYS VI: Sig gen set for 3.2KMc, modulated 1000 pps, 5 usec pulse width
 (Signal applied at crystal input)

Filter assembly	<u>1</u> KMc to <u> </u> KMc.	
Tangential Sensitivity	Left - <u>48</u> dbm	Right - <u>48</u> dbm
Noise	Left <u>200</u> mv	Right <u>200</u> mv
Max Undistorted Sig Output at Sat.	Left <u>20 VO</u> <u>0</u> dbm	Right <u>20 VO</u> <u>0</u> dbm
Calibration Signal - <u>38</u> dbm for 1 minute	<u>X</u>	
Antennas Indexed	<u>X</u>	

L-BAND SYS VI: Sig gen set for 750 Mc, modulated 1500 PPS, 5 usec pulse width
 DISABLED (Signal applied at crystal input)

Filter Assembly	<u> </u> Mc to <u> </u> Mc.	
Tangential Sensitivity	Left <u> </u> dbm	Right <u> </u> dbm
Noise	Left <u> </u> mv	Right <u> </u> mv
Max Undistorted Sig Output at Sat.	Left <u> </u> VO <u> </u> dbm	Right <u> </u> VO <u> </u> dbm
Calibration Signal - <u> </u> dbm for 1 minute	<u> </u>	
Antennas Indexed	<u> </u>	

P-BAND SYS VI: Sig gen set for 750 Mc, modulated 1000 PPS, 5 usec pulse width
 (Signal applied at input to HMB preamp)

Tangential Sensitivity	<u>93</u> dbm
Noise	<u>150</u> mv
Max Undistorted Sig Output at Sat.	<u>15</u> VO <u>58</u> dbm
Calibration Signal - <u>83</u> dbm for 1 minute	<u> </u>
Antenna Indexed	<u>X</u>

PAGE 2

MISSION NO. 03350 DATE 27 MAY 1965

SYSTEM XII Sig Gen set for 3800MC, Test Modulator set for scan period of 64MS, group length of 11 pulses (Sensitivity measured during bench check; operational check made on ramp with test antenna

Trigger radiating into System XII antennas)

~~Threshold~~ Sensitivity - 24 dbm

Threshold Sensitivity - dbm

SPECIAL HANDLING REQUIRED

Check for proper operation: LO PRF green light ok, HI PRF red light ok

Pilots Audio Tones ok, Correct Azimuth indications ok

Calibration signal - 0 dbm, 60 sec. 1500 pps ok, 30 sec. 1000 pps ok

CHECK LIST

1. 1 KC and 3 KC tones present on Track 2 of Master Recorder in left position of antenna selector switch X.
2. 1 KC and 3 KC tones present on Track 2 of Slave Recorder in left position of antenna selector switch X.
3. Mixer switching frequency OK? ok.
4. Flight Clearance: Hatch hookup X Systems junction box circuit breakers X.

Initials JS

POSTFLIGHT REMARKS

1. RECORDER PERFORMANCE Master: SATISFACTORY

Slave: SATISFACTORY

2. SPOT CHECK OF INDIVIDUAL BAND PERFORMANCE:

A. X-BAND: LIGHT

B. S-BAND: HEAVY

C. L-BAND: DISABLED

D. P-BAND: HEAVY

SECRET

MISSION DATA FLIGHT LOG

SPECIAL HANDLING REQUIRED

EVENT

TIME

COMMENT

T.O.	0008Z	
T.O.L.	0458Z	
AC GEN ON	0002Z	
AC GEN OFF	0420Z	
TIME CODE GEN. ON	0004Z	
SYSTEM 6 ON	0002Z	
SYSTEM 6 OFF	0458Z	
SYSTEM 6 SWITCH POSITIONS		
RT.	0008Z	
BOTH	0143Z	

Initials JL